

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050169839"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L2	2	L1 and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L3	630	agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L4	361	L3 and agouti	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L5	341	L4 and obesity	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L6	162	L5 and screen\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L7	58	L6 and marker	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L8	11	L7 and @ay<"2002"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L9	0	L8 and agrp adj level	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L10	3	L8 and agrp same level	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L11	1	L8 and circulating adj level	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L12	4520	circulating adj level	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L13	19	L12 and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L14	28	"6127381"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L15	7	"6127381" and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26

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L16	5	"6310034" and agouti	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L17	0	L16 and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L18	22	fong near tung	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L19	1	shen near chun-pyn	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L20	61	shen near chun	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L21	495	van near der near ploeg	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L22	118962	L21 ang leonardus	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L23	51	L21 and leonardus	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L24	7	"6310034"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L25	111	L19 or L20 or L23	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L26	6	L25 and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L27	18	L25 and agouti	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L28	4	L16 and agouti adj related	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L29	82015	elisa	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L30	36100	radioimmunoassay	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26

EAST Search History

L31	25095	L29 and L30	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L32	91	radio adj ligand adj binding adj assay	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L33	12	radio adj ligand adj assay	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L34	95799	liquid adj chromatography	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L35	25095	L31 and L31	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L36	211	radio adj ligand adj binding	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L37	10704	L31 and L34	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L38	904	L37 and ligand adj binding adj assay	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L39	367	L38 and @ay<"2002"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L40	362	L39 and labeled	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L41	2	L40 and agouti	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L42	4883	L37 and ligand adj binding	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L43	7	L40 and @ay<"1995"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L44	4	L31 and L36	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L45	48	radioimmunoassay	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26

EAST Search History

L46	10	leptin near serotonin	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L47	1333	leptin and serotonin	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L48	819	L47 and appetite\$2	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L49	195	L48 and agrp	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L50	19	L49 and @ay<"2002"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L51	2	"20050169839" and serotonin	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26
L52	2	"20050169839"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/07/26 12:26

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(FILE 'HOME' ENTERED AT 12:27:46 ON 26 JUL 2007)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 12:28:22 ON 26 JUL 2007

L1	1560 S AGRP?
L2	6162 S AGOUTI?
L3	1220 S L1 (L) L2
L4	399 S L3 AND OBESITY
L5	8 S L4 AND MARKER
L6	5 DUP REM L5 (3 DUPLICATES REMOVED) E FONG TUNG /AU
L7	117 S E5 E SHEN CHUN-PYN /AU E SHEN CHUN /AU
L8	22 S E3 E VAN DER PLOEG /AU E VAN DER PLOEG LEONARDUS /AU
L9	65 S E3 OR E4
L10	191 S L7-9
L11	10 S L10 AND AGRP
L12	12 S L10 AND AGOUTI
L13	9 DUP REM L12 (3 DUPLICATES REMOVED)
L14	6 DUP REM L11 (4 DUPLICATES REMOVED)

L14 ANSWER 1 OF 6 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
 TI Melanocortin-4 receptor (MC4R) agonists for the treatment of obesity.
 AU Nargund, Ravi P. [Reprint Author]; Strack, Alison M.; Fong, Tung
 M.
 PY 2006
 SO Journal of Medicinal Chemistry, (JUL 13 2006) Vol. 49, No. 14, pp.
 4035-4043.
 CODEN: JMCMAR. ISSN: 0022-2623.
 AU Nargund, Ravi P. [Reprint Author]; Strack, Alison M.; Fong, Tung
 M.
 IT . . .
 melanocortin-2 [MC2]; melanocortin-3 [MC3]; melanocortin-4 [MC4];
 melanocortin-5 [MC5]; beta-melanocyte stimulating hormone [beta-MSH];
 NDP-alpha-melanocyte stimulating hormone [NDP-alpha MSH]; antagonist
 agouti protein [AGRP]: expression; cyclin peptide 1;
 pyridazinone: antidiabetic-drug

L14 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Agouti-related protein deficient cells and non-human transgenic animals,
 and methods of selecting compounds which regulate energy metabolism
 IN Qian, Su; Van Der Ploeg, Leonardus H. T.; Chen, Howard Y.;
 Weingarth, Drew T.; Trumbauer, Myrna E.; Metzger, Joseph M.
 PY 2004
 2006
 2005
 SO PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 IN Qian, Su; Van Der Ploeg, Leonardus H. T.; Chen, Howard Y.;
 Weingarth, Drew T.; Trumbauer, Myrna E.; Metzger, Joseph M.
 AB Cells and non-human transgenic animals have been engineered to be
 deficient in the gene encoding agouti-related protein (AgRP), a
 neuropeptide expressed in the hypothalamus and known to potently stimulate
 feeding and body weight gain in rodents. AgRP-deficient transgenic
 animals have a reduced day time RQ, indicating that AgRP is
 involved in the regulation of energy metabolism, resulting in the reduced
 usage of fat as an energy source. Agrp-/- mice are viable, and
 exhibit normal locomotor activity, growth rates, and food intake. These
 AgRP-deficient transgenic animals can be used to select for and
 test potential modulators of AgRP. This data allows for methods
 of screening for AgRP modulators which regulate energy metabolism
 and caloric utilization. The disclosure also relates to a neuropeptide Y
 (NPY)/AgRP double-knockout mouse which can be used to select for
 and test potential modulators (e.g., agonists or antagonists) of
 AgRP and/or NPY. Combined data on ghrelin and a known ghrelin
 peptidomimetic compound indicate that removal of NPY severely compromises
 the feeding promotion of ghrelin, while the loss of AgRP does
 not by itself diminish the signaling of circulating ghrelin. Single- and
 double-knockout mice demonstrate that one of the in vivo functions of NPY
 and AgRP is to relay peripheral ghrelin signaling.

L14 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Agouti-related protein as biomarker for efficacy of appetite suppressant
 drugs
 IN Fong, Tung M.; Shen, Chun-Pyn; Van der Ploeg, Leonardus H.
 T.
 PY 2003
 2004
 2003
 2004
 2005
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 IN Fong, Tung M.; Shen, Chun-Pyn; Van der Ploeg, Leonardus H.

T.

AB The present invention relates to agouti-related protein (AGRP) as a biomarker for the efficacy of appetite suppressant drugs given to humans or other mammals for the treatment of. . . determining the appropriate dosage of an appetite suppressant given to a subject for the treatment of obesity. Plasma levels of AGRP in lean rats were measured by RIA after treatment with various appetite suppressants. AGRP plasma levels were reduced by AM251, a cannabinoid CB1 inverse agonist, and by sibutramine.

ST agouti related protein biomarker efficacy appetite suppressant; drug screening appetite suppressant plasma AGRP protein; obesity therapy progress plasma AGRP protein

IT Proteins
 RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses) (AGRP (agouti-related protein); agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT Pituitary hormone receptors
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (melanocortin receptor 4, agonists, plasma AGRP levels in lean rats after treatment with; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT 5-HT receptors
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (type 5-HT2C, plasma AGRP levels in lean rats after treatment with appetite suppressants exerting effect through; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT Cannabinoid receptors
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (type CB1, plasma AGRP levels in lean rats after treatment with appetite suppressants exerting effect through; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT 183232-66-8, AM 251
 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (CB1R inverse agonist, plasma AGRP levels in lean rats after treatment with; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT 455956-46-4
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (melanocortin receptor 4 agonist, plasma AGRP levels in lean rats after treatment with; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT 3239-44-9
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (plasma AGRP levels in lean rats after treatment with; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

IT 106650-56-0, Sibutramine
 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (plasma AGRP levels in lean rats after treatment with; agouti-related protein as biomarker for efficacy of appetite suppressant drugs)

L14 ANSWER 4 OF 6 MEDLINE on STN DUPLICATE 1

TI The role of melanocortins in body weight regulation: opportunities for the treatment of obesity.

AU MacNeil Douglas J; Howard Andrew D; Guan Xiaoming; Fong Tung M; Nargund Ravi P; Bednarek Maria A; Goulet Mark T; Weinberg David H; Strack Alison M; Marsh Donald J; Chen Howard Y; Shen Chun-Pyn; Chen Airu S; Rosenblum Charles I; MacNeil Tanya; Tota Michael; MacIntyre Euan D; Van der Ploeg Lex H T

PY 2002
 SO European journal of pharmacology, (2002 Apr 12) Vol. 440, No. 2-3, pp. 141-57. Ref: 152
 Journal code: 1254354. ISSN: 0014-2999.
 AU MacNeil Douglas J; Howard Andrew D; Guan Xiaoming; Fong Tung M; Nargund Ravi P; Bednarek Maria A; Goulet Mark T; Weinberg David H; Strack Alison M; Marsh Donald J; . . .
 AB . . . are processed from the pre-prohormone proopiomelanocortin (POMC). Peptide antagonists for the melanocortin MC(1), MC(3) and MC(4) receptors include agouti-related protein (AgRP) and agouti. Diverse lines of evidence, including genetic and pharmacological data obtained in rodents and humans, support a role for. . .

L14 ANSWER 5 OF 6 MEDLINE on STN DUPLICATE 2
 TI The role of melanocortins in body weight regulation: opportunities for the treatment of obesity.
 AU MacNeil Douglas J; Howard Andrew D; Guan Xiaoming; Fong Tung M; Nargund Ravi P; Bednarek Maria A; Goulet Mark T; Weinberg David H; Strack Alison M; Marsh Donald J; Chen Howard Y; Shen Chun-Pyn; Chen Airu S; Rosenblum Charles I; MacNeil Tanya; Tota Michael; MacIntyre Euan D; Van der Ploeg Lex H T
 PY 2002
 SO European journal of pharmacology, (2002 Aug 16) Vol. 450, No. 1, pp. 93-109. Ref: 152
 Journal code: 1254354. ISSN: 0014-2999.
 AU MacNeil Douglas J; Howard Andrew D; Guan Xiaoming; Fong Tung M; Nargund Ravi P; Bednarek Maria A; Goulet Mark T; Weinberg David H; Strack Alison M; Marsh Donald J; . . .
 AB . . . are processed from the pre-prohormone proopiomelanocortin (POMC). Peptide antagonists for the melanocortin MC(1), MC(3) and MC(4) receptors include agouti-related protein (AgRP) and agouti. Diverse lines of evidence, including genetic and pharmacological data obtained in rodents and humans, support a role for. . .

L14 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 3
 TI Molecular determinants of ligand binding to the human melanocortin-4 receptor
 AU Yang, Ying-kui; Fong, Tung M.; Dickinson, Chris J.; Mao, Cheri; Li, Ji-Yao; Tota, Michael R.; Mosley, Ralph; Van der Ploeg, Lex H. T.; Gantz, Ira
 PY 2000
 SO Biochemistry (2000), 39(48), 14900-14911
 CODEN: BICHAW; ISSN: 0006-2960
 AU Yang, Ying-kui; Fong, Tung M.; Dickinson, Chris J.; Mao, Cheri; Li, Ji-Yao; Tota, Michael R.; Mosley, Ralph; Van der Ploeg, Lex H. T.; . . .
 AB . . . to decrease the binding of hMC4R antagonists. Notably, mutation of TM3 residue D126 to alanine decreased the binding affinity of AGRP (87-132), a C-terminal derivative of the endogenous melanocortin antagonist, 8-fold, and simultaneous mutations D122A/D126A completely abolished AGRP (87-132) binding. In addition, mutation of TM3 residue D122 or D126 decreased the binding affinity of hMC4R antagonist SHU 9119.. . .